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# **WATER SUPPLY OUTLOOK FOR WASHINGTON**



**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

DEPARTMENT OF ECOLOGY STATE OF WASHINGTON

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**MAR. 1, 1975**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course  
in Bridger Mountains, Montana.*

SCS PHOTO 11-P480-15

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia





# ***WATER SUPPLY OUTLOOK FOR WASHINGTON***

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

KENNETH E. GRANT  
ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
WASHINGTON, D C.

|||||

*Released by*

GALEN S. BRIDGE  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
SPOKANE, WASHINGTON

*In Cooperation with*

JOHN A. BIGGS  
DIRECTOR  
DEPARTMENT OF ECOLOGY  
STATE OF WASHINGTON

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*Report prepared by*

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WATER WITH A VIEW

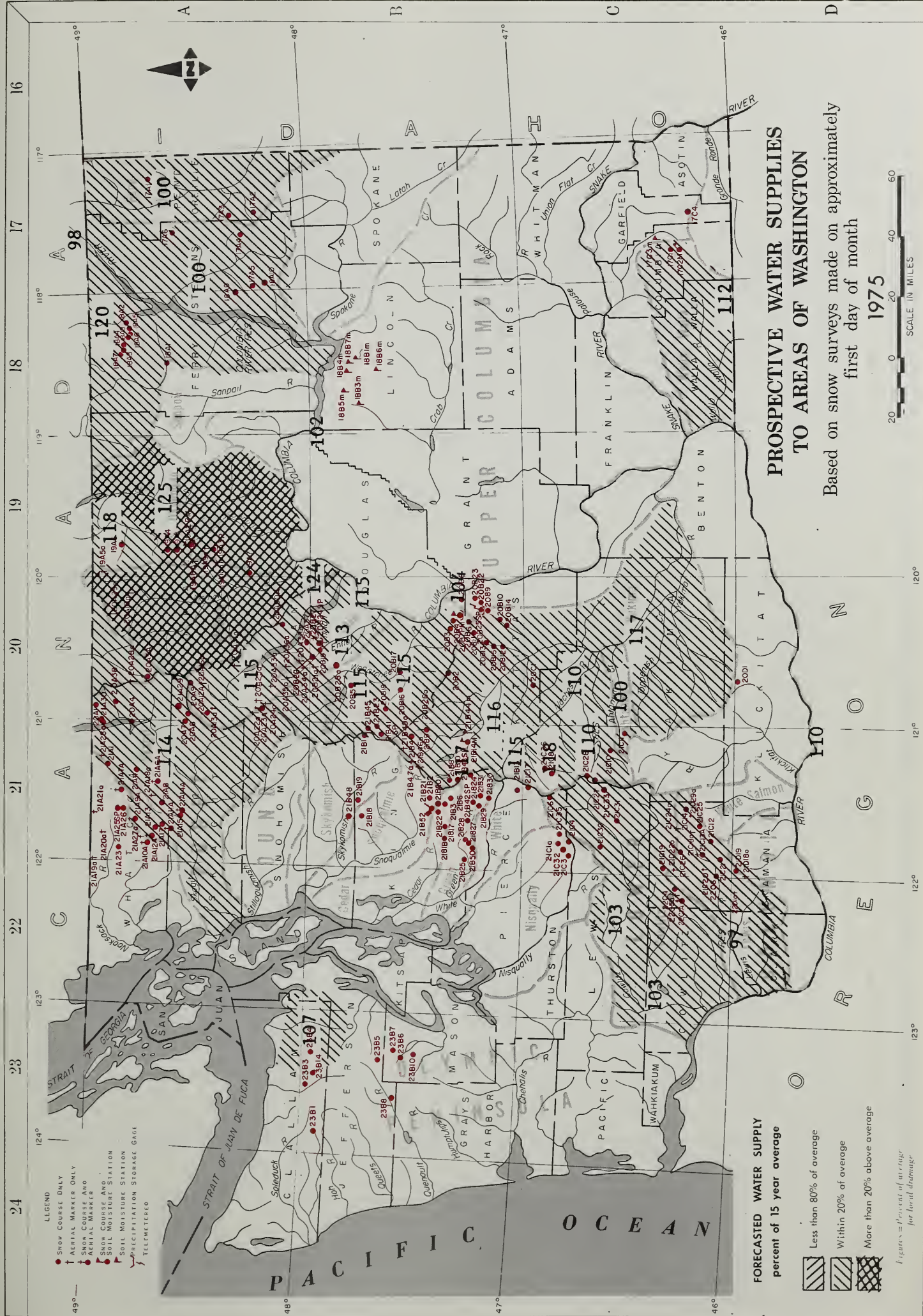
Water with a view is a rare commodity in the city of London. The only place where it can be seen is in the Tower of London.

The Tower of London is a large, ancient building which has been the seat of power for many centuries. It is situated on the north bank of the River Thames, and is one of the most famous landmarks in the city.

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INDEX to WASHINGTON SNOW COURSES, SOIL MOISTURE STATIONS and PRECIPITATION STORAGE GAGES

NAME	NUMBER	SEC.	TWP.	RANGE	ELEV.
UPPER COLUMBIA DRAINAGE					
Pend Oreille River					
Boyer Mountain	17A2	7	31N	43E	5250
Bunchgrass Meadow	17A3	24	37N	44E	5000
Winchester Creek	17A3	30	33N	43E	2970
Kettle River					
Boulder Road	18A2	36	39N	36E	1450
Butte Creek	18A3	28	39N	35E	4070
Cabin Creek	18A8	5	38N	36E	3170
Goat Creek	18A4	26	39N	35E	3595
Snow Caps Creek	18A5	3	38N	36E	2150
Snow Caps Trail	18A6	5	38N	36E	2720
Summit G. S.	18A7	20	39N	35E	4600
Colville River					
Baird	17A6	19	36N	42E	3215
Carlson	18A9	34	32N	38E	2885
Chevelah	17A4	11	32N	41E	4925
Stranger Mountain	17A5	26	31N	38E	4990
Togo	18A10	6	29N	38E	3370
Sonpoil River					
Sherman Creek Pass	18A1	19	36N	35E	5350
Okanogan River					
Clark	19A8A	2	36N	23E	7000
Nuckamuck	19A9A	20	36N	24E	6750
Mutton Creek No. 1	19A1	30	37N	24E	5700
Mutton Creek No. 2	19A4	19	37N	24E	6000
Paysayten	20A2B	32	40N	18E	4300
Rusty Creek	19A3P	18	35N	24E	4000
Salmon Meadows	19A2PM	33	37N	24E	4500
Starvation Mtn.	19A10A	15	35N	23E	6750
Touts Coulee	19A6	30	39N	25E	2845
Merhow River					
Billy Goat Pass	20A10A	10	38N	20E	6400
Dollar Watch	20A29A	8	39N	20E	7000
Harts Pass	20A5A	7	37N	18E	6500
Ilorseshoe Basin	19A5A	15	40N	23E	7000
Loup Loop	19A7	36	34N	23E	4650
Chelon Lake Basin					
Cloudy Pass	20A22A	12	31N	15E	6500
Greenwood Flat	20A25A	3	31N	16E	3540
Little Meadows	20A24A	8	31N	16E	5275
Lyman Lake	20A33A	18	31N	16E	5900
Park Creek Flat	20A13A	19	34N	16E	2220
Park Creek Ridge	20A12A	18	34N	16E	4600
Petersons	20A16A	3	34N	17E	3730
Rainy Pass	20A9	21	35N	17E	4780
Safety Harbor	20A30A	32	31N	20E	6300
War Creek Pass	20A31A	34	33N	18E	6500
Entiat River					
Blue Creek G. S.	20B28A	19	28N	18E	5425
Brief	20B19	34	28N	19E	1600
Entiat River Trail	20A33A	28	31N	17E	4800
Entiat Meadows	20A35A	2	29N	17E	3150
Four Mile Ridge	20B27A	15	28N	19E	7000
Fox Camp	20A36A	17	30N	18E	6510
Pope Ridge	20B20	22	29N	18E	4300
Pope Ridge Snow Pillow	20B24SP	22	29N	18E	4300
Pugh Ridge	20A32A	34	30N	18E	6200
Shady Pass	20A37	20	29N	19E	6400
Snow Brushy	20A35A	21	30N	17E	3850
Tommy Creek	20B21A	10	28N	18E	5300
Wenatchee River					
Berne-Nill Creek	21B23	7	26N	15E	3170
Berne-Nill Creek (New)	21B41SP	13	26N	14E	3240
Blewett Pass No. 2	20B2	35	22N	17E	4270
Chiwaukum G. S.	20B16	4	25N	17E	1810
Lake Wenatchee	20B5	33	27N	17E	1970
Leavenworth R. S.	20B17	1	24N	17E	1127
Merritt	20B18	4	26N	16E	2140
Stevens Pass	21B1	14	26N	13E	4070
Stevens Pass Sand Shed	21B45	12	26N	19E	3700

NAME	NUMBER	SEC.	TWP.	RANGE	ELEV.
Wenatchee River (continued)					
Trough #2	20B25SP	10	20N	20E	5310
Colockum Creek					
Colockum Creek Upper	20B22	11	20N	20E	5300
Colockum Creek Lower	20B23	1	20N	20E	4300
Squilehuck Creek					
Beehive Springs	20B3	12	21N	19E	4400
Scout-A-Vista	20B4	18	21N	20E	3400
Stemilt Creek					
Jump-Off	20B8	34	21N	20E	4450
Stemilt Slide	20B6	30	21N	20E	5000
Upper Wheeler	20B7PM	30	21N	20E	4400
Crab Creek					
Creston-Kunz	18B1M	32	27N	34E	2440
Jack Woods	18B3M	28	27N	31E	2750
Krause	18B4M	21	27N	33E	2420
Sheffels	18B5M	17	27N	32E	2378
Sherman	18B7M	24	27N	33E	2440
Wheatridge	18B6M	24	25N	32E	2290
Yakima River					
Ahtanum R. S.	21C1	24	12N	14E	3100
Big Boulder Creek	21B9	55	23N	14E	3200
Bumping Lake	21C8	23	16N	12E	3450
Bumping Lake New	21C36	15	16N	12E	3400
Colockum Pass	20B9	25	20N	20E	5370
Cooke Creek	20B10	17	19N	20E	4123
Donery Flat	21B44M	15	20N	14E	2200
Fish Lake	21B4	34	24N	14E	3371
Green Lake	21C10	3	12N	13E	6000
Grouse Camp	20B11	29	21N	19E	5385
High Creek	20B12	34	20N	19E	293C
Joe Lake	21B46A	22	23N	12E	4624
Lake Cle Elum	21B44M	7	23N	13E	2200
Lemah Creek	21B47A	15	23N	13E	3327
Manastash	20C1	24	17N	16E	3935
Morse Lake	21C17	6	16N	11E	5400
Nanum	20B13	4	20N	19E	3875
Trail Creek	20B14	20	19N	20E	3360
Tunnel Avenue	21B8	13	21N	11E	2450
Van Epps Pass	20B26A	16	23N	15E	5925
Walters Flat	20B15	22	20N	19E	3560
Wapitus Lake	21B49A	12	23N	13E	3024
White Pass (East Side)	21C28	2	13N	11E	4500
White Pass (Leach Lake)	21C27	1	13N	11E	4500
LOWER COLUMBIA DRAINAGE					
Asotin Creek					
Spruce Springs	17C4	9	BN	40E	5700
Mill Creek					
Couse	17C3M	2	9N	40E	3370
Homestead	17C1	11	9N	40E	4030
Martin Springs (Helmers SM)	17C2M	23	9N	40E	4400
Klickitat River					
Satus Pass	20D1	21	6N	17E	4030
White Salmon River					
Cultus Creek	21C12	35	7N	BE	4000
Lewis River					
Blue Lake	21C22A	19	9N	BE	4800
Bob's Trail	21C21	25	BN	7E	2200
Calamity Ridge	22D1A	B	5N	5E	2500
Council Pass	21C18A	24	9N	9E	4200

NAME	NUMBER	SEC.	TWP.	RANGE	ELEV.
Lewis River (continued)					
Divide Meadow	21C29A	21	9N	10E	5600
Grand Meadow	21C25	28	8N	9E	3500
Lone Pine Shelter	21C26	8	9N	7E	3800
Marble Mountain	22C5A	24	BN	5E	3200
New Huddy River	22C6	36	BN	6E	200C
Oldman Pass	21D19	22	6N	7E	3100
Plains of Abraham	22C1A	35	9N	5E	4400
Smith Creek Road	22C4	29	8N	7E	2100
Spencer Meadow	21C20A	16	8N	7E	3400
Surprise Lakes	21C13A	14	7N	BE	4250
Table Mountain	21C24A	20	9N	9E	4200
Timbered Peak	21D18A	36	6N	6E	3000
Cowlitz River					
Cayuse Pass	21C6	15	16N	10E	5300
Mosquito Meadows	21C19	33	10N	7E	4100
Okanapocosh	21C52	28	15N	10E	2200
Packwood Lake	21C31	21	13N	10E	2870
Pigtail Peak	21C53	11	13N	11E	4900
Potato Hill	21C14	36	10N	10E	5500
Willame Creek	21C50	3	13N	BE	3250
PUGET SOUND DRAINAGE					
Nisqually River					
Ghost Forest	21C4	23	15N	8E	4550
Longmire	21C3	29	15N	BE	2760
Paradise Park (New)	21C35	13	15N	BE	5500
Stem Glade	21C1	13	15N	8E	5050
White River					
Corral Pass	21B13	30	1BN	11E	6000
Green River					
Airstrip	21B24	18	20N	11E	1800
Charley Creek	21B25	27	21N	BE	1200
Cougar Mountain	21B42SP	21	21N	9E	3200
Grass Mountain No. 2	21B27	14	20N	BE	2900
Grass Mountain No. 3	21B28	12	20N	8E	2100
Lester Creek	21B29	36	20N	10E	3100
Lynn Lake	21B50	21	20N	BE	4000
Sawmill Ridge	21B31	5	19N	11E	4700
Snowshoe Butte	21B43SP	14	20N	11E	5000
Stampede Pass	21B10	25	21N	11E	3860
Twin Camp	21B30	18	19N	11E	4100
Cedar River					
City Cabin	21B3	10	21N	10E	2390
Mt. Gardner	21B21	30	22N	10E	3300
Mt. Gardner Aux.	21B22	31	22N	10E	2500
Mt. Lindsay	21B16	31	22N	9E	2500
Mt. Washington New	21B52	8	22N	9E	3000
Rex River	21B17	11	21N	9E	2400
South Fork Cedar	21B6	24	21N	10E	3000
Tinkham Creek	21B20	1	21N	10E	3400
Snoqualmie River					
Alpine Meadow	21B48	31	27N	9E	3500
Ollalie Meadows	21B2	29	22N	11E	3625
South Fork Tolt	21B18	26	26N	9E	1900
Skykomish River					
Lake Elizabeth	21B19	33	26N	10E	2900

NAME	NUMBER	SEC.	TWP.	RANGE	ELEV.
Skagit River					
Beaver Creek Trail	21A4	35	39N	12E	2200
Beaver Pass	21A1	9	39N	12E	3680
Brown Top	21A28A	26	40N	12E	5900
Devils Fork	20A4	34	38N	16E	5900
Freecout Creek T. 11	20A1	14	40N	14E	3500
Freecout Meadow New	20A38	8	40N	16E	5000
Granite Creek	21A29	25	36N	16E	3500
Meadows Cabins	20A8	29	36N	14E	1900
New Hozeemee Lake	20A7	19	40N	14E	2800
Thunder Basin	21A36	10	35N	14E	4200
Baker River					
Baker Pass	21A27A	1	37N	7E	4900
Dock Butte	21A11A	8	36N	8E	3800
Easy Pass	21A7A	19	39N	11E	5200
Jasper Pass	21A6A	17	38N	11E	5400
Komo Kulshan	21A17	31	37N	9E	800
Marton Lake	21A9A	23	38N	8E	3600
Mount Blum	21A18A	27	38N	10E	5800
Rocky Creek	21A12A	20	37N	8E	2100
Schreibers Meadow	21A10A	18	37N	8E	3400
S. F. Thunder Creek	21A14A	20	36N	9E	2200
Sulphur Creek	21A13	22	37N	8E	1600
Three Mile Creek	21A15	18	36N	9E	1600
Watson Lakes	21A8	25	37N	9E	4500
Nooksack River					
Bald Mountain	21A19A	7	40N	7E	4400
Canyon	21A20A	20	40N	8E	5100
Glacier Creek	21A23	9-10	38N	7E	3700
Panorama New	21A26	17	39N	9E	4300
Panorama Snow Pillow	21A25SP	17	39N	9E	4300
Twin Lakes	21A21A	16	40N	9E	5200







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NAME	NUMBER	SEC.	TWP.	RANGE	ELEV.
UPPER COLUMBIA DRAINAGE					
Pend Oreille River					
Boyer Mountain	17A2	7	31N	43E	5250
Bunchgrass Meadow	17A1	24	37N	44E	5000
Winchester Creek	17A3	30	33N	43E	2970
Kettle River					
Boulder Road	18A2	36	39N	36E	1450
Butte Creek	18A3	28	39N	35E	4070
Cabin Creek	18A8	5	38N	36E	3170
Gout Creek	18A4	26	39N	35E	3595
Snow Caps Creek	18A5	5	38N	36E	2150
Snow Caps Trail	18A6	3	38N	36E	2720
Summit G. S.	18A7	20	39N	35E	4600
Colville River					
Baird	17A6	19	36N	42E	3215
Carlson	18A9	34	32N	38E	2885
Chewelah	17A4	11	32N	41E	4925
Stranger Mountain	17A5	26	31N	38E	4990
Togo	18A10	6	29N	38E	3370
Sanpoil River					
Sherman Creek Pass	18A1	19	36N	35E	5350
Okanogan River					
Clark	19A8a	2	36N	23E	7000
Nuckamuck	19A9a	20	36N	24E	6750
Mutton Creek No. 1	19A1	30	37N	24E	5700
Mutton Creek No. 2	19A1	30	37N	24E	6000
Paysayten	20A28a	32	40N	18E	4300
Rusty Creek	19A3P	18	35N	24E	4000
Salmon Meadows	19A2PM	33	37N	24E	4500
Starvation Mtn.	19A10a	15	35N	23E	6750
Tout's Corrie	19A6	30	39N	25E	2845
Methow River					
Billy Goat Pass	20A10a	10	38N	20E	6400
Dollar Watch	20A29a	8	39N	20E	7000
Ilarts Pass	20A5A	7	37N	18E	6500
Horseshoe Basin	19A5A	15	40N	23E	7000
Loup Loop	19A7	36	34N	23E	4650
Chelan Lake Basin					
Cloudy Pass	20A22a	12	31N	15E	6500
Greenwood Flat	20A25a	3	31N	16E	3540
Little Meadows	20A24a	8	31N	16E	5275
Lyman Lake	20A23a	18	31N	16E	5900
Park Creek Flat	20A13a	19	34N	16E	2220
Park Creek Ridge	20A12a	18	34N	16E	4600
Petersons	20A16a	3	34N	17E	3730
Rainy Pass	20A9	21	35N	17E	4780
Safety Harbor	20A30a	32	31N	20E	6300
War Creek Pass	20A31a	34	33N	18E	6500
Entiat River					
Blue Creek G.S.	20B28a	19	28N	18E	5425
8rief	20B19	34	28N	19E	1600
Entiat Meadows	20A33a	28	31N	17E	4800
Entiat River Trail	20A34a	2	29N	17E	3150
Four Mile Ridge	20B27a	15	28N	19E	7000
Fox Camp	20A6a	17	30N	18E	6510
Pope Ridge	20B20	22	29N	18E	4300
Pope Ridge Snow Pillow	20B24SP	22	29N	18E	4300
Pugh Ridge	20A32a	34	30N	18E	6400
Shady Pass	20A37	20	29N	19E	6200
Snow Brushy	20A35a	21	30N	17E	3850
Tommy Creek	20B21a	10	28N	18E	5300
Wenatchee River					
Berne-Mill Creek	21B23	7	26N	15E	3170
Berne-Mill Creek (New)	21B41SP	13	26N	14E	3240
Blewett Pass No. 2	20B2	35	22N	17E	4270
Chiwaukum G. S.	20B16	4	25N	17E	1810
Lake Wenatchee	20B5	33	27N	17E	1970
Leavenworth R. S.	20B17	1	24N	17E	1127
Merritt	20B18	4	26N	16E	2140
Stevens Pass	21B1	14	26N	13E	4070
Stevens Pass Sand Shed	21B45	12	26N	19E	3700
Lewis River (continued)					
Divide Meadow	21C29a	21	9N	10E	5600
Grand Meadow	21C25	28	8N	9E	3500
Lone Pine Shelter	21C26	8	9N	7E	3800
Marble Mountain	22C5a	24	8N	5E	3200
New Muddy River	22C6	36	8N	6E	2000
Oldman Pass	21D19	22	6N	7E	3100
Plains of Abraham	22D1a	25	9N	5E	4400
Smith Creek Road	22C4	29	9N	6E	2100
Spencer Meadow	21C20a	16	8N	7E	3400
Surprise Lakes	21C13a	14	7N	8E	4250
Table Mountain	21C24a	20	9N	9E	4200
Timbered Peak	21D18a	36	6N	6E	3000
Cowlitz River					
Cayuse Pass	21C6	15	16N	10E	5300
Mosquito Meadows	21C19	33	10N	7E	4100
Okanapocosh	21C32	28	15N	10E	2800
Packwood Lake	21C31	21	13N	10E	2870
Pigtail Peak	21C33	11	13N	11E	5900
Potato Hill	21C14	36	10N	10E	4500
Willame Creek	21C30	3	13N	8E	3250
PUGET SOUND DRAINAGE					
Nisqually River					
Ghost Forest	21C4	23	15N	8E	4550
Longhine	21C3	29	15N	8E	2760
Paradise Park (New)	21C35	13	15N	8E	5500
Stem Glade	21C1	13	15N	8E	5050
White River					
Corral Pass	21B13	30	18N	11E	6000
Green River					
Airstrip	21B24	18	20N	11E	1800
Charley Creek	21B25	27	21N	8E	1200
Cougar Mountain	21B42SP	21	21N	9E	3200
Grass Mountain No. 2	21B27	14	20N	8E	2900
Grass Mountain No. 3	21B28	12	20N	8E	2100
Lester Creek	21B29	36	20N	10E	3100
Lynn Lake	21B50	21	20N	8E	4000
Sawmill Ridge	21B31	5	19N	11E	4700
Snowshoe Butte	21B43SP	14	20N	11E	5000
Stampede Pass	21B10	25	21N	11E	3860
Twin Camp	21B30	18	19N	11E	4100
Cedar River					
City Cabin	21B3	10	21N	10E	2390
Mt. Gardner	21B21	30	22N	10E	3300
Mt. Gardner Aux.	21B22	31	22N	10E	2500
Mt. Lindsay	21B16	31	22N	9E	2500
Mt. Washington New	21B52	8	22N	9E	3000
Rex River	21B17	11	21N	9E	2400
South Fork Cedar	21B6	24	21N	10E	3000
Tinkham Creek	21B20	1	21N	10E	3400
Snoqualmie River					
Alpine Meadow	21B48	31	27N	9E	3500
Ollalie Meadows	21B2	19	22N	11E	3625
South Fork Tolt	21B18	26	26N	9E	1900
Skykomish River					
Lake Elizabeth	21B19	33	26N	10E	2900
Skagit River					
Beaver Creek Trail	21A1	35	39N	12E	2200
Beaver Pass	21A1	9	39N	12E	3680
Brown Top	21A28a	26	40N	12E	6000
Devils Park	20A4	34	38N	10E	5900
Freezout Creek T. 1	20A1	14	40N	14E	3500
Freezout Meadow New	20A38	8	40N	16E	5000
Granite Creek	21A29	25	36N	10E	3500
Meadows Cabins	20A8	29	36N	14E	1900
New Hozomeen Lake	20A7	19	40N	14E	2800
Thunder Basin	21A30	10	35N	14E	4200
Baker River					
Baker Pass	21A27a	1	37N	7E	4900
Dock Butte	21A1A	8	36N	8E	3800
Easy Pass	21A7a	19	39N	11E	5200
Jasper Pass	21A6a	17	38N	11E	5400
Komo Kulshan	21A17	31	37N	9E	800
Marten Lake	21A9a	23	38N	8E	3600
Mount Blum	21A18a	27	38N	10E	5800
Rocky Creek	21A12a	20	37N	8E	3100
Schreibers Meadow	21A10a	18	37N	8E	3400
S. F. Thunder Creek	21A14a	20	36N	9E	2200
Sulphur Creek	21A13	22	37N	8E	1600
Three Mile Creek	21A15	18	36N	9E	1600
Watson Lakes	21A8	25	37N	9E	4500
Nooksack River					
Bald Mountain	21A19a	7	40N	7E	4400
Canyon	21A20a	20	40N	8E	5100
Glacier Creek	21A23	9-10	38N	7E	3700
Panorama New	21A26	17	39N	9E	4300
Panorama Snow Pillow	21A25SP	17	39N	9E	4300
Twin Lakes	21A21a	16	40N	9E	5200
OLYMPIC PENINSULA					
Dungeness River					
Deer Park	23B4	1	28N	5W	5200
Morse Creek					
Cox Valley	23B14	31	29N	6W	4500
Elwha River					
Hurricane	23B3	36	29N	7W	4500
Skokomish River					
Black and White	23B7	17	24N	5W	4200
Black and White Lakes	23B6	16	24N	5W	4700
Four Stream	23B10	1	23N	6W	3000
Home Sheet Home	23B5	28	25N	5W	5200
Sundown Pass	23B8	25	24N	7N	3900
Solleduck River					
Deer Lake	23B1	14	28N	9W	3900

LEGEND  
NUMBERING SYSTEM  
21A7 SNOW COURSE ONLY  
21A7A SNOW COURSE AND AERIAL MARKER  
21A7M SNOW COURSE AND SOIL MOISTURE STATION  
21A7P SNOW COURSE AND PRECIPITATION STORAGE GAGE  
21A7SP SNOW COURSE AND PRECIPITATION STORAGE GAGE  
21A7SP SNOW PILLON

## WATER SUPPLY OUTLOOK

State of Washington  
March 1, 1975

\*\*\*\*\*  
\* There appears to have been a general improvement in the water supply fore- \*  
\* casts for the State of Washington from that which was reported last month. \*  
\* Most forecast points are now expected to flow about 5 percent greater than \*  
\* that which was forecasted on February 1. As usual, there are some minor \*  
\* exceptions, but these are on the smaller tributaries. All forecasts are for \*  
\* normal or above water supplies during the up coming snow melt season. The \*  
\* Columbia at Birchbank and the Lewis at Ariel are the only ones forecasted \*  
\* less than normal and these are only 2 percent and 3 percent below, respec- \*  
\* tively. The high flows are forecasted to occur from the Okanogan and Methow \*  
\* River systems. The Okanogan at Tonasket is forecast to flow 25 percent \*  
\* above normal and the Methow 24 percent above. The Water Resources Service \*  
\* of British Columbia is forecasting the inflow to Okanogan Lake only \*  
\* slightly below the near record high flows of last year. Since the Okanogan \*  
\* above the Similkameen is only about 20 percent of the total flow of the \*  
\* Okanogan at Tonasket, this well above normal inflow will be absorbed by the \*  
\* lower flows expected from the Similkameen. During the month of February, \*  
\* rainfall was all well above normal, resulting in an accumulation of precip- \*  
\* itation for the winter months on the plus side. River flows during the past \*  
\* month were generally below normal, the result of below normal temperatures \*  
\* during February. Flows ranged from 60 percent below normal on the Spokane \*  
\* River at Post Falls to a high of 5 percent above normal for the Klickitat \*  
\* River as measured near Pitt. Reservoirs vary from above to below normal, \*  
\* but this is a result of need for irrigation water and/or power supplies. \*  
\* Adequate flows are expected to fill all reservoirs with the spring runoff \*  
\* and several of the irrigation reservoirs are presently being lowered to \*  
\* handle the above normal inflows expected. \*  
\*

### SNOW COVER

Snow surveys made near the first of March indicate the snow pack to range from a low of 9 percent below normal for the Lewis River Basin to a high of 85 percent above normal for the Green River Basin. This large range of snow cover, percentagewise, is the result of variable snow pack, elevationwise. In the Lewis River, some of the low elevation snow courses are reported to have well above normal snow packs. The higher elevation snow courses have lesser amounts but in this basin there are more high elevation snow courses than lower elevation snow courses. In the Green River Basin, it is just the opposite with the majority of snow courses at the lower elevations. In this case there is a greater influence in these figures by the lower elevation snow courses.

In the Upper Columbia Basin the snow cover, as compared to last year, ranges from 30 percent below normal to 28 percent above. Comparing this years snow cover to that which occurred in 1973 at this time, this range is from a low of 51 percent above to 184 percent above and when compared to normal, the range is from 10 percent above to 52 percent above. In the



Lower Columbia area, comparing the snow cover to last year, the range is from 37 percent below to 2 percent above and when comparing to 1973, the range is from 129 percent above to a high of 213 percent above. When comparing this area to normal the range is from the previously reported 9 percent below normal to the high of 61 percent above. The Puget Sound Drainage snow courses, when compared to last year, range from 36 percent below to 12 percent below. Comparing the same courses to 1973, the range is from 77 percent above to 222 percent above and comparing to normal, 17 percent above to the previously mentioned 85 percent above.

## RESERVOIRS

The three major power reservoirs have water in storage that varies from 34 percent below normal for the Chelan Lake to 51 percent above for Lake Roosevelt. The irrigation reservoirs in the state have water in storage only 7 percent below normal and range from 73 percent below normal for Bumping Lake to 24 percent above for Salmon Lake near Okanogan. As previously reported, all reservoirs will fill with the spring runoff but uncontrolled spillage should be minimal through advanced management practices.

## PRECIPITATION

During February, rainfall, as measured by the National Weather Service, at the lower valley stations was all well above normal. The wet spot was northeastern Washington, which had rainfall that was 144 percent greater than average. The southwestern slopes of the Cascades were reported to have only 7 percent above normal and the northwestern slopes, 9 percent. The Columbia River in Canada had precipitation 28 percent above normal and the head waters of the Pend Oreille and Spokane Rivers, 33 percent above. Central Washington was reported to have rainfall that was 26 percent above normal. This above normal precipitation should generally offset the well below normal precipitation that we had up through November of 1974.

## SOIL MOISTURE

From the scattered reports of soil moisture at the higher elevations, the soils are still quite dry but with the above normal snow packs, this dryness will have little effect on the outcome of spring runoff.

## STREAMFLOW

The cold weather of February generally kept all streams running well below normal. As reported before, the Spokane River inflow to Coeur d'Alene Lake was 60 percent below normal. The main stem of the Columbia River had a flow that ranged from 37 percent below normal at Grand Coulee to 16 percent below at Birchbank. The resultant of all streams is measured at The Dalles and flow there was 12 percent below normal. Forecasts of streamflow range from a high of 25 percent above normal to a low of 3 percent below so adequate flows can be expected during the forth coming runoff season. Numerical forecasts can be found following this narrative statement.

# STREAMFLOW FORECASTS - MARCH 1975

The following summarized runoff forecasts are based principally on mountain snow-cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. Streamflow figures for 1974 are preliminary and subject to revision.

Basin, Stream and Station	Forecast Runoff 1975	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1974	1973	1972	15-Yr Average 58-72
<u>COLUMBIA BASIN</u>							
<u>Columbia River System</u>							
Columbia River	45700	98	Apr-Sep	54227	34796	56680	46430
at Birchbank <u>1/</u>	37100	99	Apr-Jul	44492	27876	46587	37548
	25900	94	Apr-Jun	31893	20203	34333	27549
Columbia River	70500	102	Apr-Sep	85139	45849	85860	68868
at Grand Coulee <u>1/</u>	60000	103	Apr-Jul	73671	38193	73431	58379
	46400	100	Apr-Jun	57033	29886	57727	46060
Columbia River	78000	104	Apr-Sep	96939	49117	97430	75337
bl Rock Island Dam <u>1/</u>	65200	102	Apr-Jul	84480	41200	84085	64192
	51400	102	Apr-Jun	65246	32032	66051	50604
Columbia River	110000	105	Apr-Sep	139724	65162	135452	104670
at The Dalles, Or <u>1/</u>	94000	105	Apr-Jul	123569	54260	118552	89893
	76500	105	Apr-Jun	99282	43395	96933	73158
<u>PEND OREILLE RIVER SYSTEM</u>							
<u>Pend Oreille River</u>							
bl. Box Canyon	16000	100	Apr-Sep		8311	20294	15953
	14600	99	Apr-Jul		7614	18724	14688
	12400	97	Apr-Jun		6756	16109	12777
<u>KETTLE RIVER SYSTEM</u>							
Kettle River	2250	120	Apr-Sep	2854	1121	2289	1873
nr. Laurier	2150	120	Apr-Jul	2780	1093	2205	1793
	1975	120	Apr-Jun	2514	1020	1965	1640

1/ Observed flow corrected for storage in any of the following reservoirs which are above the station: Kootenay Lake, Hungry Horse, Flathead Lake, Pend Oreille Lake, F. D. Roosevelt Lake, Lake Chelan, Coeur d'Alene Lake, Brownlee, Noxon Reservoir and pumpage at F. D. Roosevelt Lake.

Basin, Stream and Station	Forecast Runoff 1975	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1974	1973	1972	15-Yr Averag 58-72
<u>Kettle River System (Cont.)</u>							
Colville River	148	100	Apr-Sep		54	114	148
at Kettle Falls	137	100	Apr-Jul		50	103	137
	125	98	Apr-Jun		48	94	128
<u>Spokane River System *</u>							
Spokane River	3250	109	Apr-Sep		1140	4002	2983
at Post Falls, ID <u>2/</u>	3150	109	Apr-Jul		1082	387	2899
	3010	109	Apr-Jun		1022	3644	2773
<u>Okanogan River System</u>							
Similkameen River	1790	118	Apr-Sep	2276	736	3259	1517
nr. Nighthawk	1670	117	Apr-Jul	2151	697	3090	1424
	1470	120	Apr-Jun	1729	621	2568	1222
Okanogan River	2150	125	Apr-Sep	2718	765	3852	1723
nr. Tonasket	1950	123	Apr-Jul	2491	707	3523	1582
	1670	124	Apr-Jun	1985	622	2895	1349
<u>Methow River System</u>							
Methow River	1280	124	Apr-Sep		512	1959	1031
nr. Pateros	1200	125	Apr-Jul		476	1819	963
	1030	124	Apr-Jun		417	1524	832
<u>Chelan River System</u>							
Chelan River	1440	115	Apr-Sep	1343	777	1866	1253
at Chelan <u>3/</u>	1300	117	Apr-Jul	1054	680	1619	1112
	1040	118	Apr-Jun	658	544	1250	881
Stehekin River	1040	115	Apr-Sep		541	1235	904
at Stehekin	900	116	Apr-Jul		447	1044	776
	710	118	Apr-Jun		352	772	600
Entiat	270	113	Apr-Sep		145	398	239
nr. Ardenvoir	245	112	Apr-Jul		131	361	220
	204	113	Apr-Jun		113	283	180

\* Forecasts made by Jack A. Wilson, Soil Conservation Service, Boise, Idaho.

2/ Observed flow corrected for storage in Coeur d'Alene Lake and diversions by Spokane Valley Farms Company and Rathdrum Prairie Canals.

3/ Observed flow corrected for storage in Lake Chelan.



Basin, Stream and Station	Forecast Runoff 1975	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1974	1973	1972	15-Yr. Average 58-72
<u>Wenatchee River System</u>							
Wenatchee River	1510	115	Apr-Sep		790	1926	1312
at Plain	1370	115	Apr-Jul		709	1686	1187
	1050	110	Apr-Jun		589	1272	956
Wenatchee River	2060	115	Apr-Sep	2633	1033	2787	1786
at Peshastin	1880	116	Apr-Jul	2297	938	2464	1629
	1460	110	Apr-Jun	1670	786	1883	1324
Stemilt Basin nr. Wenatchee	140	101	May-Sep			145*	138*
<u>Yakima River System</u>							
Yakima River	165	117	Apr-Sep	241	83	220	142
nr. Martin <u>4/</u>	150	115	Apr-Jul	223	76	198	131
	130	112	Apr-Jun	177	70	167	116
Yakima River	1120	116	Apr-Sep		555	1515	965
at Cle Elum <u>5/</u>	1040	119	Apr-Jul		489	1374	877
	910	119	Apr-Jun		433	1156	764
Yakima River	2020	117	Apr-Sep		582	3231	1730
nr. Parker <u>6/</u>	2000	118	Apr-Jul		590	3071	1701
	1850	117	Apr-Jun		598	2694	1580
Kachess River	150	120	Apr-Sep	200	66	195	125
nr. Easton <u>7/</u>	140	119	Apr-Jul	188	63	182	118
	125	118	Apr-Jun	151	59	153	106
Cle Elum River	570	120	Apr-Sep	728	285	747	477
nr. Roslyn <u>8/</u>	520	119	Apr-Jul	650	255	670	437
	430	116	Apr-Jun	493	220	537	372

\* Thousands of Miners' inches.

4/ Observed flow corrected for storage in Lake Keechelus.

5/ Observed flow corrected for storage in Keechelus, Kachess and Cle Elum Lakes and diversion by Kittitas Canal.

6/ Observed flow corrected for storage in Keechelus, Kachess, Cle Elum, Bumping and Rimrock Lakes and diversions by Roza, Union Gap, New Reservation, Old Reservation and Sunnyside Canals.

7/ Observed flow corrected for storage in Lake Kachess.

8/ Observed flow corrected for storage in Lake Cle Elum.

Basin, Stream and Station	Forecast Runoff 1975	Seasonal Streamflow in Thousands of Acre-Feet					
		% 15-Yr. Avg.	Fore- cast period	1974	1973	1972	15-Yr. Average 58-72
<u>Yakima River System (Cont.)</u>							
Bumping River	173	118	Apr-Sep	227	74	228	146
nr. Nile <u>9/</u>	158	118	Apr-Jul	207	58	203	134
	129	115	Apr-Jun	156	61	155	112
American River	147	115	Apr-Sep		70	186	128
nr. Nile	134	114	Apr-Jul		65	169	118
	110	110	Apr-Jun		58	137	100
Tieton River	270	110	Apr-Sep	405	160	407	247
at Tieton Dam <u>10/</u>	228	108	Apr-Jul	337	124	342	211
	179	104	Apr-Jun	255	99	267	172
Naches River	980	110	Apr-Sep		442	1477	889
nr. Naches <u>11/</u>	875	108	Apr-Jul		385	1339	810
	740	106	Apr-Jun		336	1106	698
Ahtanum Creek	48	100	Apr-Sep		21	75	48
nr. Tampico <u>12/</u>	44	100	Apr-Jul		18	69	44
	40	103	Apr-Jun		16	59	39
<u>Lower Columbia River System</u>							
Mill Creek	30	112	Apr-Sep		17	34	27
nr. Walla Walla	26	108	Apr-Jul		13	29	24
	23	109	Apr-Jun		11	26	21
Lewis River	1300	97	Apr-Sep	1872	800	1597	1342
at Ariel <u>13/</u>	1150	98	Apr-Jul	1684	666	1392	1174
	1010	96	Apr-Jun	1420	574	1236	1052
Cowlitz River	2170	103	Apr-Sep		1252	3048	2106
Blw. Mayfield Dam	1940	105	Apr-Jul		1068	2672	1846
	1670	106	Apr-Jun		904	2201	1578
Cowlitz River	2860	103	Apr-Sep	4296	1676	3819	2768
at Castle Rock <u>14/</u>	2540	105	Apr-Jul	3850	1419	3331	2416
	2150	103	Apr-Jun	3158	1212	2782	2083

9/ Observed flow corrected for storage in Bumping Lake.

10/ Observed flow corrected for storage in Rimrock Lake.

11/ Observed flow corrected for storage in Bumping and Rimrock Lakes and diversions by Tieton, Selah Valley, Wapatox Canals and City of Yakima.

12/ Observed flow of North and South Forks (Combined)

13/ Observed flow corrected for storage in Lake Merwin, Yale and Swift Reservoirs.

14/ Observed flow corrected for storage in Mayfield Reservoir.

Basin, Stream and Station	Forecast Runoff 1975	Seasonal Streamflow in Thousands of Acre-Feet					
		%	Fore-	15-Yr.			
		15-Yr. Avg.	cast period	1974	1973	1972	Average 58-72

OLYMPIC PENINSULA

Dungeness River System

Dungeness River	176	107	Apr-Sep		120	207	165
nr. Sequim	150	109	Apr-Jul		98	171	137
	112	108	Apr-Jun		74	127	104

PUGET SOUND

Skagit River System

Skagit River at Newhalem <u>15/</u>	2770	114	Mar-Aug	3150	1610	3800	2418
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15/ Observed flow corrected for storage in Diablo, Ross, and Gorge Reservoirs.





# COMPARISON OF SNOW COVER WITH THAT OF PREVIOUS YEARS

The following tabulation of Washington stream basins presents the water content of the snow about March 1, 1975 as percent of the same date in 1974 and 1973 and average of record

Average of record	No. of Courses Average	1975 Snow Water Expressed as percent of		
Tributary Basin		1974	1973	1958-72 Avg.
<u>UPPER COLUMBIA BASIN</u>				
Pend Oreille	17	83	181	118
Kettle	15	94	179	126
Colville	4	94	204	132
Spokane	11	77	203	110
Okanogan	43	86	181	126
Methow	10	70	151	110
Chelan	8	88	152	124
Entiat	10	92	168	110
Wenatchee	9	81	245	129
Yakima	27	90	255	145
Ahtanum	2	128	284	152
<u>LOWER COLUMBIA</u>				
Mill Creek	3	63	297	134
Klickitat	1	102	-	161
White Salmon	2	74	229	104
Lewis	18	69	234	91
Cowlitz	11	80	313	113
<u>PUGET SOUND</u>				
Nisqually	4	86	208	136
White	3	88	199	136
Green	8	78	322	185
Snoqualmie	3	64	302	145
Skykomish	3	69	236	117
Skagit	15	86	212	137
Nooksack	5	78	177	134
<u>OLYMPIC PENINSULA</u>				
Skokomish	4	64	164	103
Elwha	1	61	153	92
Dungeness	1	64	156	-

# RESERVOIR STORAGE - 1000 ACRE FEET

BASIN OR STREAM	RESERVOIR	USABLE <u>1/</u> CAPACITY	1975	Measured (March)		
				1974	1973	Normal*
<u>COLUMBIA</u>						
Spokane	Coeur d'Alene Lake	225.1	58.9	127.9	53.3	162.4
Columbia	Franklin D. Roosevelt Lake	5232.0	4304.9	-1175.4	3729.1	2843.8
Columbia	Banks Lake	761.8	706.9	720.3	613.3	588.3
Okanogan	Conconully Reservoir	13.0	11.2	6.4	11.6	11.6
Okanogan	Salmon Lake	10.5	9.2	7.3	9.5	7.4
Chelan	Lake Chelan	676.1	155.1	228.5	141.4	234.9
<u>YAKIMA</u>						
Yakima	Keechelus Lake	157.8	95.4	99.4	102.0	105.5
Kaches	Kachess Lake	239.0	153.6	107.9	195.0	183.6
Cle Elum	Lake Cle Elum	436.9	267.4	195.7	319.1	264.5
Bumping	Bumping Lake	33.7	2.8	4.7	9.1	10.2
Tieton	Rimrock Lake	198.0	121.6	132.1	153.3	128.2
<u>PUGET SOUND</u>						
Skagit	Ross Reservoir	1202.0	782.4	1030.4	870.3	873.9
Skagit	Diablo Reservoir	90.6	86.9	86.4	89.0	85.0
Skagit	Gorge Reservoir	9.8	8.8	8.2	8.1	-

1/ Based on Active Storage

\* 15-year Average 1958-72



# SOIL MOISTURE - MARCH

Drainage Basin and Station	Number	Elev.	Profile Depth	Inches Total Capacity	Soil Moisture Content Inches as of Mar. 1		
					1975	1974	1973
<u>OKANOGAN</u>							
Salmon Meadows	19A2M	4500	48	5.4	2.0	3.7	2.3
Trout Creek	3-M	3600	48	7.3	3.2	3.8	3.2
<u>YAKIMA</u>							
Domery Flat	21B20m	2200	48	6.9	-	4.9	5.2
Lake Cle Elum	21B14M	2200	48	12.8	-	9.3	9.2
<u>WALLA WALLA</u>							
Couse	17C3m	3650	48	11.1	-	10.3	7.6
Helmers	17C2M	4400	48	12.0	-	10.1	10.6
<u>WENATCHEE</u>							
Upper Wheeler	20B7M	4400	48	12.7	8.6	11.1	8.9

# FALL SOIL MOISTURE

Drainage Basin and Station	Number	Elev.	Profile Depth	Inches Total Capacity	Soil Moisture Content Inches as of Oct. 1		
					1974	1973	1972
<u>OKANOGAN</u>							
Salmon Meadows	19A02M	4500	48	5.4	1.8	2.6	2.8
Trout Creek	3-M	3600	48	7.3	3.0	2.8	3.3
<u>YAKIMA</u>							
Domery Flat	21B20m	2200	48	6.9	-	2.6	4.1
Lake Cle Elum	21B14M	2200	48	12.8	-	6.1	8.7
<u>WALLA WALLA</u>							
Couse	17C3m	3650	48	11.1	-	5.6	6.0
Helmers	17C2M	4400	48	12.0	-	7.6	7.7
<u>WENATCHEE</u>							
Upper Wheeler	20B7M	4400	48	12.7	5.4	6.0	5.7

# PRECIPITATION 1/

## Division Averages and Departures

Drainage Divisions	FALL		WINTER	
	Sept-Oct Average	1974 <u>2/</u> Departure	Nov. 1974 - Average	Feb. 1975 <u>2/</u> Departure
Columbia in Canada	1.22	-3.25	12.30	+1.09
Pend Oreille - Spokane	0.71	-3.77	18.74	+2.73
Northeastern Washington	0.30	-2.48	13.50	+3.94
Southeastern Washington	0.31	-2.92	12.78	+1.56
Central Washington	1.21	-3.54	28.69	+4.49
North Central Washington	0.37	-1.25	7.17	+1.26
Northwest Slope Cascades	3.25	-9.44	52.57	+8.16

Northeastern Washington	- Lower Spokane, Colville, Sanpoil and lower Kettle Drainages.
Southeastern Washington	- Touchet, Tucannon and Palouse Drainages.
Central Washington	- Yakima, Wenatchee and Chelan Drainages.
North Central Washington	- Methow and Okanogan Drainages.
Northwest Slope Cascades	- Puget Sound Drainages.
Southwest Slope Cascades	- Lower Columbia Drainages.

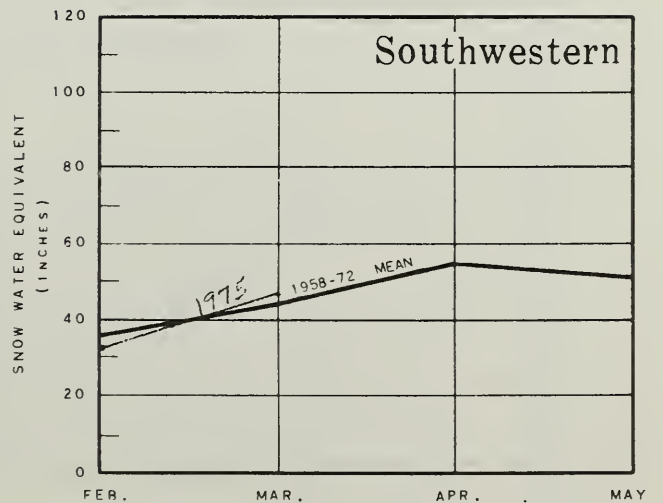
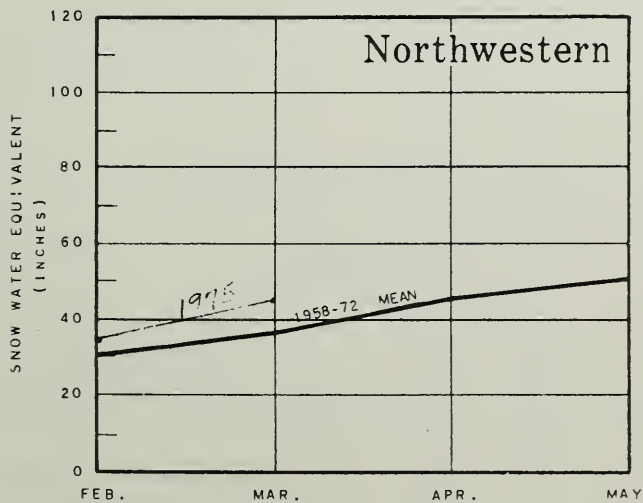
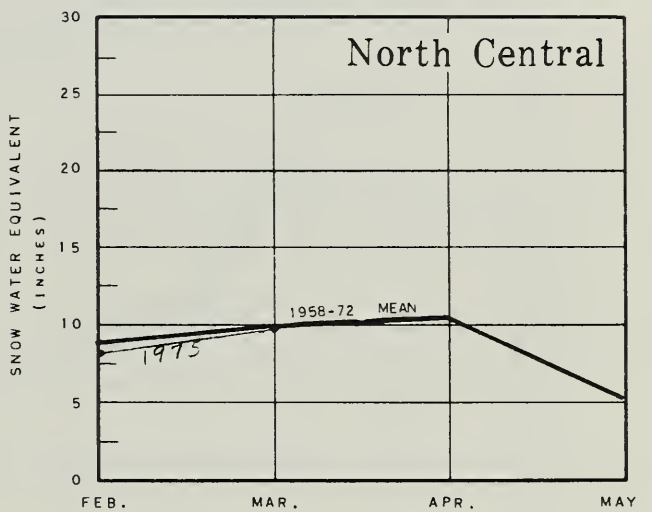
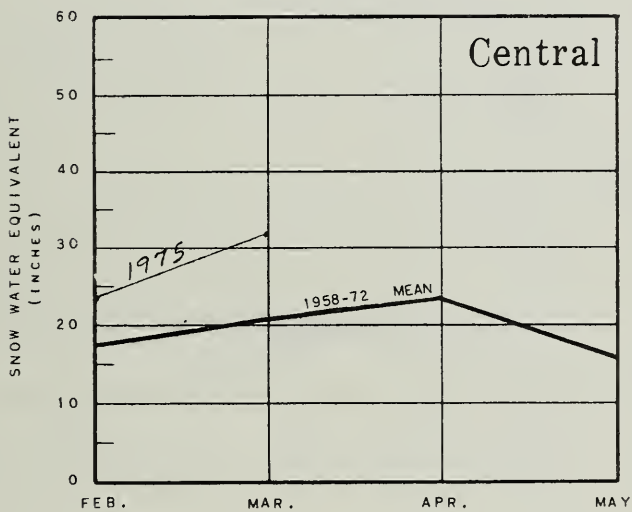
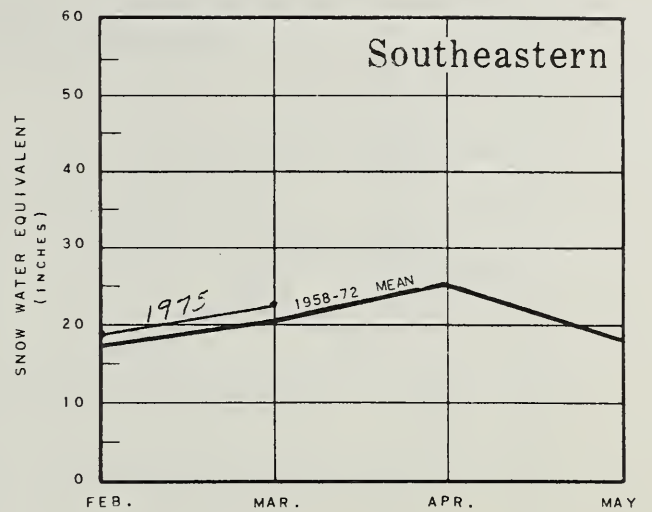
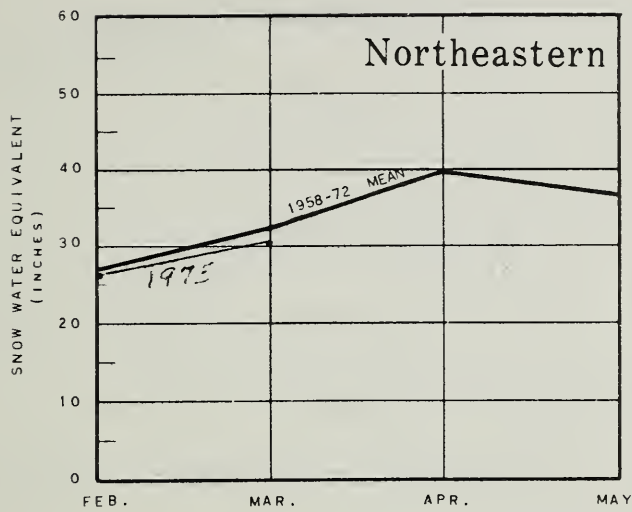
1/ - Preliminary analysis by National Weather Service from data furnished by Meteorological Services of Canada and the National Weather Service.

2/ - Departure from 15-year (1958-72) drainage division average.

# WASHINGTON SNOW COVER

1975

## DRAINAGE AREAS

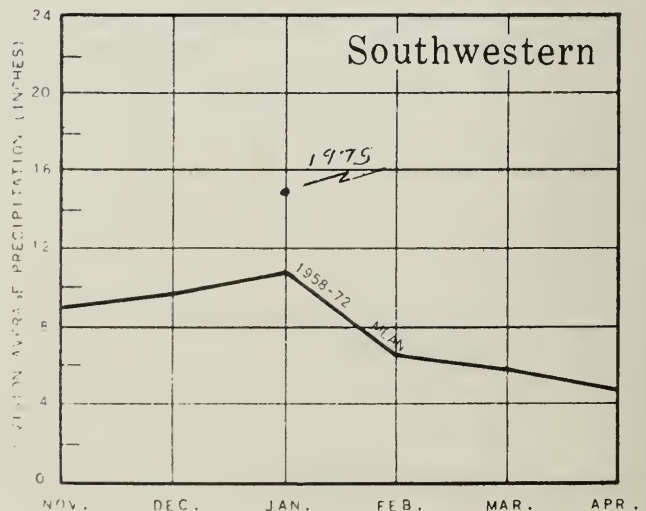
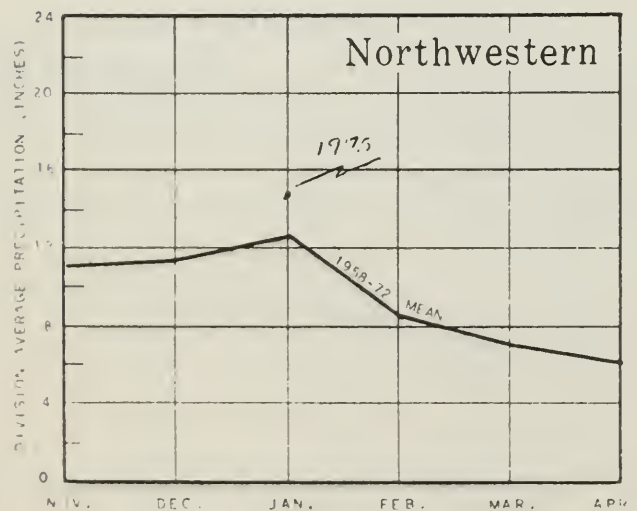
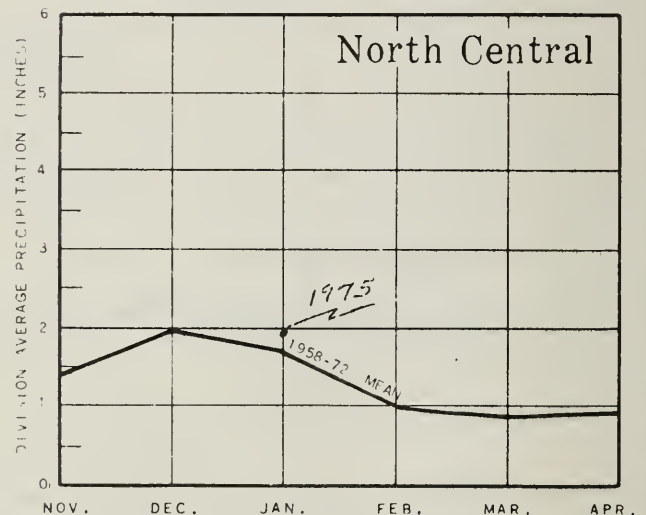
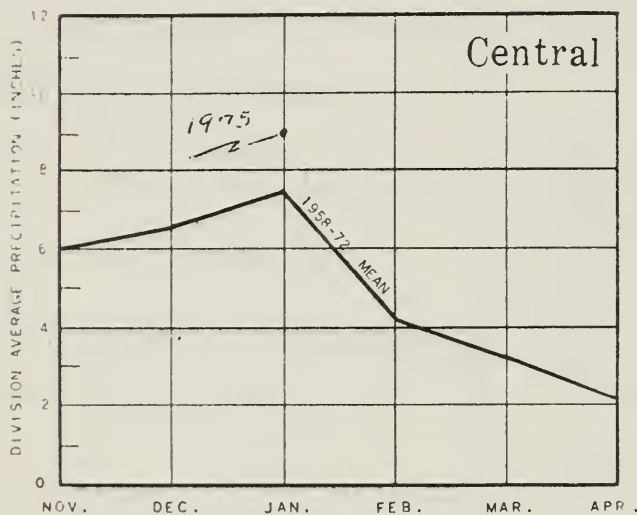
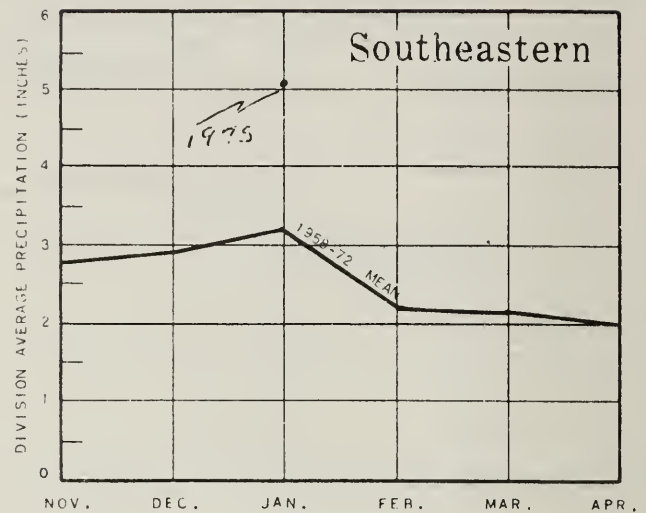
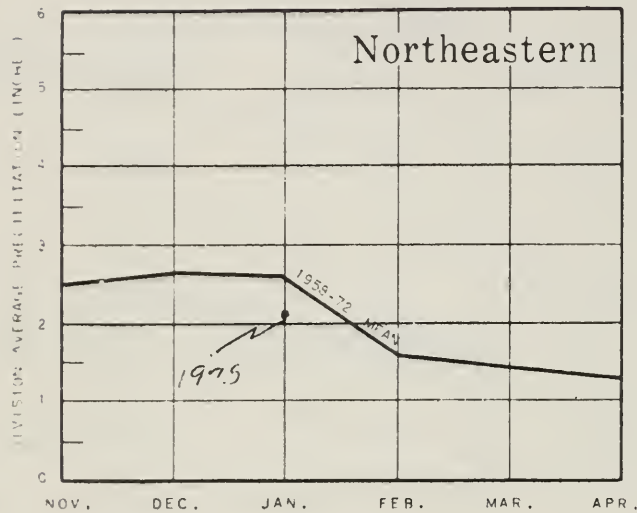




# WASHINGTON VALLEY PRECIPITATION

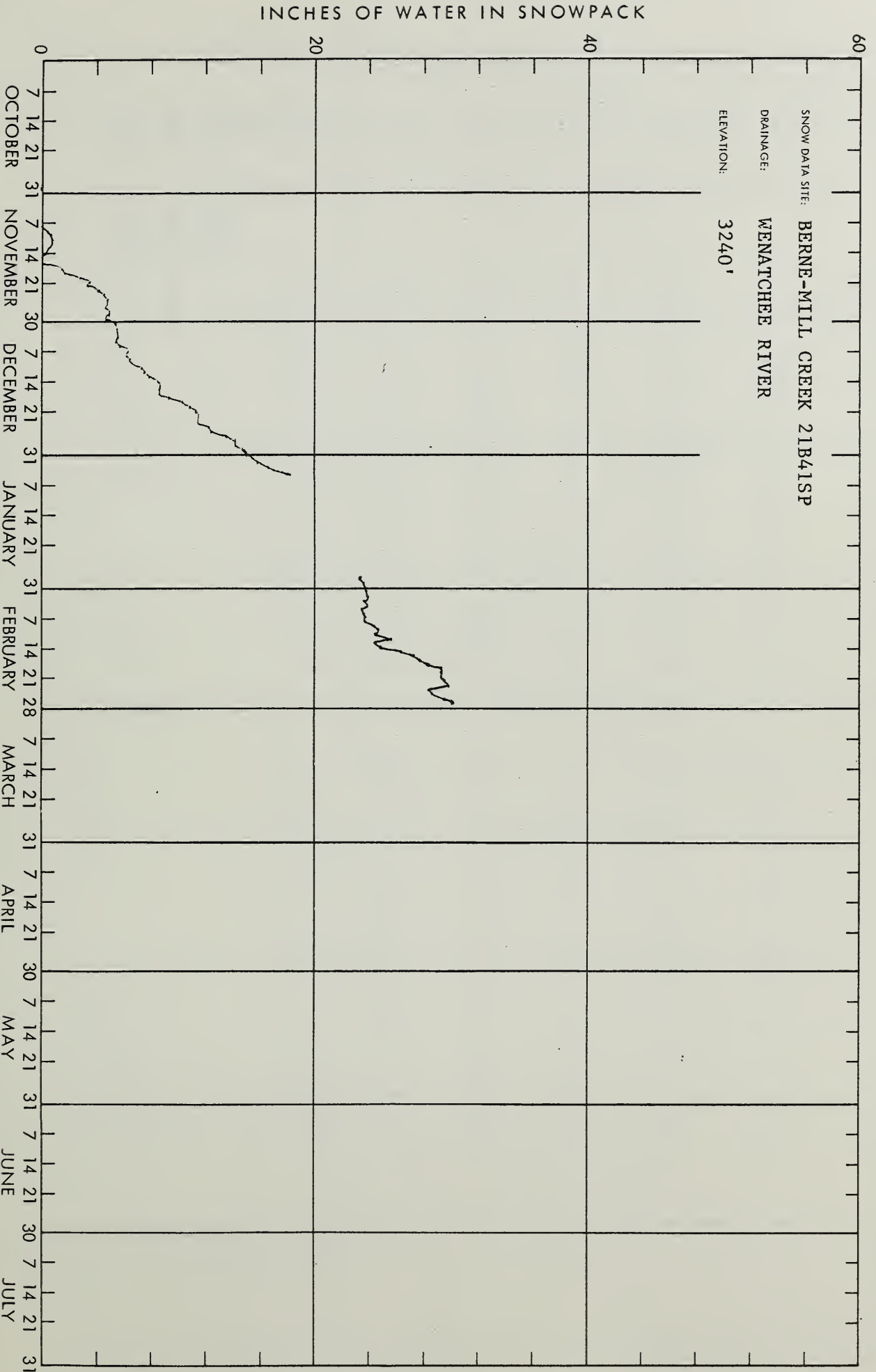
1975

## DRAINAGE AREAS

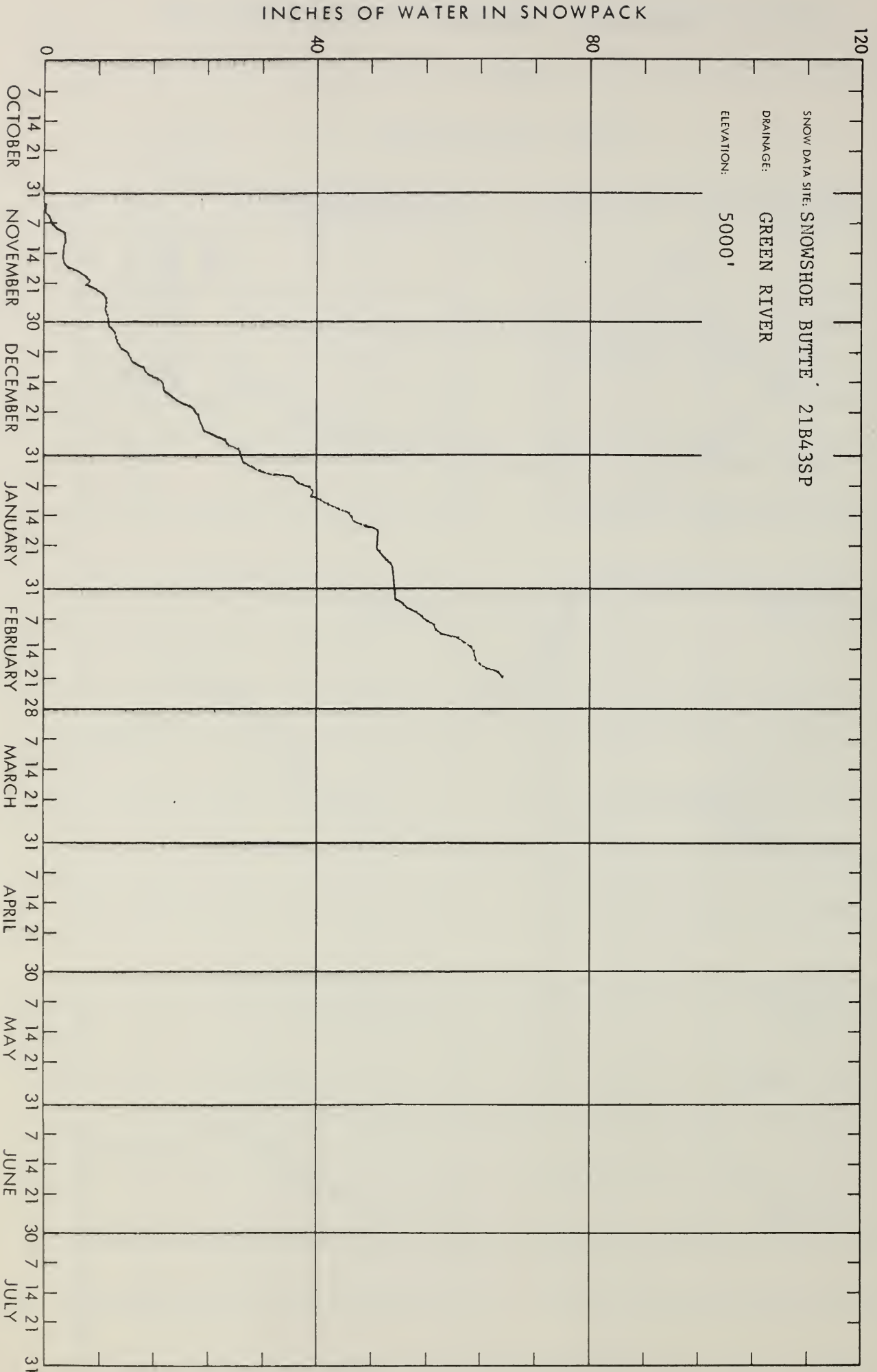


Preliminary Analysis by National Weather Service

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## SNOW DATA TO MARCH 1, 1975 - APPENDIX 1

SNOW			THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average #

## U P P E R C O L U M B I A D R A I N A G E

PEND OREILLE RIVER

Baree Creek	15B11	5500	2/27	125	50.3	65.6	43.6
Baree Midway	15B16	4600	2/27	105	38.5	47.5	34.6
Baree Trail	15B15	3800	2/27	39	13.3	13.1	10.5
Benton Meadow	16A02	2344	2/25	31	8.6	4.0	6.1
Benton Spring	16A03	4900	2/25	68	21.4	28.9	17.4
Boyer Mountain	17A02	5250	2/25	87	28.0	39.0	23.7
Brush Creek Timber	14A13	5000	2/26	38	10.8	11.0	10.2
Chewelah	17A04	4923	3/1	58	18.2	-	16.2
Heart Lake Trail	14C10	4800	2/27	74	24.9	28.6	21.2
Hoodoo Basin	15C10	6000	2/26	126	46.9	63.4	46.1
Hoodoo Creek	15C01	5900	2/26	122	43.5	58.6	43.2
Lookout	15B02	5250	2/28	111	30.4	43.7	32.7
Mosquito Ridge	16A04A	5100	2/25	108	36.0	54.4	34.7
Nelson	19-Can	3050	2/26	61	17.7	20.0	14.5*
Schweitzer Bowl	16A06	4500	2/28	106	45.6	49.5	27.8
Schweitzer Ridge	16A05	6100	2/28	154	60.2	61.5	39.9
Winchester Creek	17A03	2970	2/24	45	12.2	13.8	12.1

KETTLE RIVER

Barnes Creek	90-Can	5300	2/27	62	20.0	22.0	18.0*
Big White Mtn.	154-Can	5500	2/25	69	20.1	26.6	16.9*
Boulder Road	18A02	1450	2/27	24	7.0	2.2	4.9
Butte Creek	18A03	4070	2/27	39	10.9	10.2	9.3
Cabin Creek	18A08	3170	2/27	34	5.2	9.8	8.2
Carmi	126-Can	4100	2/23	37	10.8	8.0	6.1*
Farron # 1	17-Can	4000	2/26	53	14.1	17.8	12.4*
Farron # 2	243-Can	4000	2/26	51	13.8	17.7	New
Goat Creek	18A04	3595	2/27	31	8.9	8.7	7.1
Graystoke Lake	5-Can	5950	2/27	55	17.2	23.8	18.7*
Monashee Pass	48A-Can	4500	2/27	49	14.6	14.2	12.7*
Old Glory Mtn.	42-Can	7000	3/1	92	37.4	38.0	24.6*
Snow Caps Creek	18A05	2150	2/27	23	6.0	6.1	5.1
Snow Caps Trail	18A06	2720	2/27	26	6.6	7.2	6.7
Summit G. S.	18A07	4600	2/27	35	9.6	10.1	7.4
Trapping Creek Lower	166-Can	3050	2/23	34	8.8	7.0	5.1*
Trapping Creek Upper	165-Can	4450	2/23	47	13.2	13.4	8.9*

# Average based on 1958-72 average

\* Average for years of record

## SNOW DATA TO MARCH 1, 1975 - APPENDIX 2

SNOW			THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average $\frac{71}{72}$

COLVILLE RIVER

Baird	17A06	3215	2/26	39	10.2	9.5	7.1
Carlson	18A09	2885	3/1	29	9.6	2.4	4.6
Chewelah	17A04	4925	3/1	58	18.2	-	16.2
Stranger Mountain	17A05	4990	3/1	47	14.8	21.8	13.1

SPOKANE RIVER

Above Burke	15B08	4100	2/28	83	25.9	27.0	-
Copper Ridge	16B02	4800	2/27	87	28.7	45.1	25.7
Forty-nine Meadows	15B03	5000	2/26	95	25.8	-	-
Fourth of July Summit	16B03	3100	2/28	45	14.4	13.5	7.3
Granite Peak	15B13A	6000	2/26	124	34.4	-	37.7
Kellogg Peak	16B05A	5560	2/25	87	29.8	41.4	-
Lookout	15B02	5250	2/28	111	30.4	43.7	32.7
Lost Lake	15B14A	6000	2/26	145	45.6	-	51.3
Lower Sands Creek	16B01	3400	2/27	61	18.5	26.8	17.5
Medicine Ridge	15B04A	6150	2/26	125	35.8	-	38.5
Mosquito Ridge	16A04A	5110	2/25	108	36.0	54.4	34.7
Roland Summit	15B05A	5200	2/25	92	31.0	54.1	31.3
Sherwin	16C01	3200	2/28	59	19.2	20.0	13.8
Sunset	15B09A	5600	2/25	118	30.7	-	33.7

OKANOGAN RIVER

Aberdeen Lake	6A-Can	4300	3/2	35	9.1	7.3	5.9*
Blackwall Mountain	100-Can	6250	2/20	97	31.3	42.6	32.4*
Bouleau Creek	31-Can	5000	3/3	52	17.2	13.5	10.5*
Bouleau Lake	234-Can	4580	3/1	Not Measured		16.0	13.3*
Brenda Mine	193-Can	4800	2/26	54	17.7	15.6	12.8*
Brookmere	27-Can	3200	2/26	45	8.2	11.9	9.0*
Carrs Landing Upper	168-Can	3200	2/26	30	7.1	4.6	4.5*
Clark +	19A08a	7000	2/27	64	21.8	26.5	19.7
Enderby	130-Can	6250	2/26	105	27.8	42.7	32.4*
Esperon Creek Lower	164-Can	4400	2/23	54	15.9	15.0	10.9*
Esperon Creek Middle	163-Can	4700	2/23	60	18.7	20.2	13.5*
Esperon Creek Upper	162-Can	5400	2/23	71	22.8	25.0	16.5*
Freezeout Meadows New	20A38	5000	2/25	108	37.8	73.3	25.7
Graystoke Lake	5-Can	5950	2/27	55	17.2	23.8	18.7*
Hamilton Hill	107-Can	4900	2/27	59	17.6	19.2	14.2*
Harts Pass	20A05A	6500	2/24	130	46.1	64.4	38.8
Horseshoe Basin +	19A05a	7000	2/26	46	15.2	21.4	11.6
Isintok Lake	152-Can	5510	3/1	38	10.7	12.3	7.5*
Lost Horse Mountain	105-Can	6300	2/28	39	10.4	12.7	8.5*

# Average based on 1958-72 average

\* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation

## SNOW DATA TO MARCH 1, 1975 - APPENDIX 3

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average #

OKANOGAN RIVER (Cont.)

Loup Loup	19A07	4650	2/27	33	10.1	15.4	9.5
McCulloch	4-Can	4200	3/1	36	9.8	8.4	6.2*
Missezula Mountain	106-Can	5100	2/26	46	13.1	13.9	8.8*
Mission Creek	5A-Can	6000	2/27	66	21.7	25.6	17.3*
Monashee Pass	48A-Can	4500	2/27	49	14.6	13.2	12.7*
Mount Kobau	156-Can	5950	2/27	39	11.2	19.2	11.8*
Muckamuck +	19A09a	6390	2/26	46	15.6	24.8	15.1
Mutton Creek No. 1	19A01	5700	2/27	43	13.8	22.4	12.9
Mutton Creek No. 2	19A04	6000	2/27	37	12.7	21.4	13.3
Mutton Creek No. 2 SP	19A11SP	6000	2/27	-	9.5	17.4	New
New Copper Mountain	46A-Can	4300	2/25	29	6.5	8.4	5.8*
New Penticton Res. #2	183-Can	5225	2/28	40	12.9	10.9	7.6*
Nickel Plate Mtn.	47-Can	6200	2/27	36	9.1	12.0	7.1*
Oyama Lake	203-Can	4400	2/27	37	9.5	8.6	6.3*
Paysayten +	20A28a	4300	2/26	63	20.8	22.4	15.4*
Postill Lake	55-Can	4500	2/28	37	10.7	10.6	7.4*
Quartette Lake	34-Can	4000	2/25	41	10.1	15.9	-
Rusty Creek	19A03	4000	2/28	30	8.0	11.8	7.1
Salmon Meadows	19A02	4500	2/27	35	9.7	14.8	9.9
Silver Star Mountain	99-Can	6050	3/1	86	31.8	35.9	23.8*
Starvation Mtn. +	19A10a	6750	2/26	52	17.7	26.5	18.3
Summerland Reservoir	3A-Can	4200	3/2	46	14.5	12.2	8.7*
Touts Coulee	19A06	2845	2/26	17	3.0	5.7	4.0
Trout Creek	3-Can	4700	2/26	43	11.2	9.9	6.4*
Vaseux Creek	233-Can	4600	3/2	30	6.9	11.2	7.2*
White Rocks Mountain	70-Can	6000	2/27	80	31.0	30.9	18.9*

METHOW RIVER

Billy Goat Pass +	20A10a	6409	2/26	90	29.7	36.7	25.8
Dollar Watch +	20A29a	7000	2/26	84	27.7	34.7	25.8
Harts Pass	20A05A	6500	2/24	130	46.1	64.4	38.8
Horseshoe Basin +	19A05a	7000	2/26	46	15.2	21.4	11.6
Loup Loup	19A07	4650	2/27	33	10.1	15.4	9.5
Mutton Creek No. 1	19A01	5700	2/27	43	13.8	22.4	12.9
Mutton Creek No. 2	19A04	6000	2/27	37	12.7	21.4	13.3
Mutton Creek No. 2 SP	19A11SP	6000	2/27	-	9.5	17.4	New
Rusty Creek	19A03	4000	2/28	30	8.0	11.8	7.1
Salmon Meadows	19A02	4500	2/27	35	9.7	14.8	9.9
War Creek Pass +	20A31a	6500	2/26	132	43.6	55.1	40.5

# Average based on 1958-72 average

\* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation



## SNOW DATA TO MARCH 1, 1975 - APPENDIX 4

## SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average #

CHELAN LAKE BASIN

Cloudy Pass +	20A22a	6500	2/26	128	44.8	-	37.4
Greenwood Flat +	20A25a	3540	2/26	81	28.4	36.0	22.9
Little Meadows +	20A24a	5275	2/26	127	44.4	56.2	39.9
Lyman Lake	20A23A	5900	3/1	Not Measured		-	52.5
Park Creek Flat +	20A13a	2220	3/1	Not Measured		43.6	31.4
Park Creek Ridge	20A12A	4600	2/26	160	56.0	65.5	41.9
Petersons +	20A16a	3730	2/26	138	48.3	40.3	32.9
Rainy Pass	20A09	4780	2/24	123	42.6	51.4	36.0
Safety Harbor	20A30A	6300	2/26	105	33.6	-	25.7
War Creek Pass +	20A31a	6500	2/26	132	43.6	55.1	40.5

ENTIAT RIVER

Blue Creek G. S. +	20B28a	5425	3/3	120	44.4	44.7	New
Brief	20B19	1600	2/23	32	8.4	6.6	7.5
Entiat Meadows +	20A33a	4800	3/3	138	51.1	56.4	45.7
Entiat River Trail +	20A34a	3150	3/3	82	27.1	28.5	21.8
Four Mile Ridge +	20B27a	7000	3/3	92	34.0	40.2	-
Fox Camp +	20A36a	6510	3/3	146	54.0	59.0	54.6
Pope Ridge	20B20	4300	2/24	71	23.0	25.9	16.5
Pugh Ridge +	20A32a	6400	3/3	97	35.9	40.5	34.5
Shady Pass	20A37	6200	2/26	88	33.0	-	-
Snow Brushy +	20A35a	3850	3/3	105	34.7	45.7	37.7
Tommy Creek +	20B21a	5300	3/3	76	28.1	35.0	28.3

WENATCHEE RIVER

Berne-Mill Creek	21B23	3170	2/14	94	33.2	36.3	23.9
			2/27	94	35.5	43.0	24.7
Berne-Mill Creek New SP	21B41SP	3240	2/27	79	30.4	38.0	21.0
Blewett Pass No. 2	20B02	4270	2/26	53	19.3	22.5	14.9
Chiwaukum G. S.	20B16	1810	2/14	42	11.6	15.2	11.2
			2/27	41	11.0	17.0	11.6
Fish Lake	21B04	3371	2/26	108	38.4	45.2	31.3
Lake Wenatchee	20B05	1970	2/14	55	15.9	17.6	13.6
			2/27	53	17.1	19.7	13.9
Leavenworth R. S.	20B17	1127	2/14	21	7.0	2.3	5.7
			2/26	21	7.1	2.5	4.2
Lyman Lake	20A23A	5900	3/1	Not Measured		-	52.5
Merritt	20B18	2140	2/14	67	20.8	21.6	15.5
			2/27	65	21.3	22.9	15.2
Stevens Pass	21B01	4070	2/14	149	54.6	63.7	42.5
			2/27	147	60.4	73.5	45.7
Stevens Pass Sand Shed	21B45	3700	2/14	111	37.5	52.3	-
			2/27	104	39.8	57.0	-

# Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

## SNOW DATA TO MARCH 1, 1975 - APPENDIX 5

## SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average <sup>#</sup>

SQUILCHUCK CREEK

Beehive Springs	20B03	4400	2/27	28	11.6	14.5	7.9
Scout-A-Vista	20B04	3400	2/27	35	11.7	13.3	8.1

STEMILT CREEK

Jump-Off	20B08	4450	2/27	33	11.2	13.6	8.3
Stemilt Slide	20B06	5000	2/27	47	16.4	21.9	15.1
Upper Wheeler	20B07	4400	2/27	37	13.9	13.0	10.1

COLOCKUM CREEK

Colockum Creek Upper	20B22	5300	2/28	42	15.8	21.3	-
Colockum Creek Lower	20B23	4300	2/28	34	12.5	11.5	-

YAKIMA RIVER

Ahtanum R. S.	21C11	3100	2/25	36	12.8	7.6	6.7
Big Boulder Creek	21B09	3200	2/26	75	25.3	31.6	18.5
Blewett Pass No. 2	20B02	4270	2/26	53	19.3	22.5	14.9
Bumping Lake	21C08	3450	2/13	59	18.0	21.1	15.2
			2/28	57	17.9	26.0	15.3
Bumping Lake New	21C36	3400	2/13	74	22.1	26.4	19.6
			2/28	73	25.1	31.9	20.0
Cayuse Pass	21C06	5300	2/24	212	83.1	99.5	70.4
Colockum Pass	20B09	5370	2/24	54	17.1	21.6	14.5
Cooke Creek	20B10	4123	2/24	34	10.3	11.0	6.1
Corral Pass	21B13	6000	2/21	163	48.0	52.0	34.3
Fish Lake	21B04	3371	2/26	108	38.4	45.2	31.3
Green Lake	21C10	6000	2/25	108	33.0	37.3	29.1
Grouse Camp	20B11	5385	2/27	52	17.6	24.3	15.3
High Creek	20B12	2930	2/28	27	7.4	9.1	5.2
Joe Lake	21B46a	4624	2/24	189	58.6	81.0	-
Lake Cle Elum	21B14M	2200	2/13	38	13.1	9.8	8.2
			2/27	40	13.2	11.9	8.1
Lemah Creek +	21B47a	3327	2/24	129	42.6	55.1	-
Manashtash	20C01	3935	2/28	28	8.0	6.6	4.3
Morse Lake	21C17	5400	2/27	157	71.0	-	47.7
Nanum	20B13	2340	2/27	38	11.5	14.4	9.6
Olallie Meadows	21B02	3625	2/21	196	52.6	81.8	40.6
Satus Pass	20D01	4030	2/28	39	14.0	13.7	8.7
Stampede Pass SP	21B10	3860	2/14	-	55.4	60.0	34.2
			3/1	-	61.2	-	36.2

# Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

## SNOW DATA TO MARCH 1, 1975 - APPENDIX 6

SNOW			THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average <sup>#</sup>

YAKIMA RIVER (Cont.)

Trail Creek	20B14	3360	2/24	18	5.8	5.0	2.2
Tunnel Avenue	21B08	2450	2/14	86	28.8	28.8	20.1
			2/28	89	32.2	32.6	21.2
Van Epps Pass +	20B26a	5925	2/24	137	48.0	62.3	-
Walters Flat	20B15	3360	2/27	32	9.9	11.0	6.9
Waptus Lake +	21B49a	3024	2/24	132	43.6	51.8	-
White Pass (E. Side)	21C28	4500	2/14	78	24.9	27.7	20.8
			2/27	77	27.3	35.9	22.0
White Pass (L. Lake)	21C27	4500	2/25	85	32.9	35.9	26.1

AHTANUM CREEK

Ahtanum R. S.	21C11	3100	2/25	36	12.8	7.6	6.7
Green Lake	21C10	6000	2/25	108	33.0	37.3	29.1

LOWER COLUMBIA DRAINAGEASOTIN CREEK

Spruce Springs	17C04	5700	2/24	79	26.6	34.6	23.6
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MILL CREEK

Homestead	17C01	4030	2/26	30	11.6	17.2	7.4
Martin Springs	17C02	4400	2/26	48	16.2	23.5	11.9
Tollgate	18D3M	5070	2/25	74	22.9	42.4	21.1

KLICKITAT RIVER

Satus Pass	20D01	4030	2/28	39	14.0	13.7	8.7
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WHITE SALMON RIVER

Cultus Creek	21C12	4000	2/24	108	41.1	57.4	40.5
Surprise Lakes	21C13A	4250	2/24	119	47.8	64.0	44.2

WIND RIVER

Old Man Pass	21D19	3100	2/24	39	13.9	23.4	17.2
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<sup>#</sup> Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation



## SNOW DATA TO MARCH 1, 1975 - APPENDIX 7

## SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average $\frac{\#}{2}$

LEWIS RIVER

Blue Lake +	21C22a	4800	2/24	194	75.7	96.5	69.7
Bob's Trail	21C21	2200	2/24	34	11.8	20.3	14.2
Calamity Ridge +	22D01a	2500	2/24	8	3.2	4.2	6.7
Council Pass +	21C18a	4200	2/24	108	42.1	56.6	37.1
Cultus Creek	21C12	4000	2/24	108	41.1	57.4	40.5
Divide Meadow +	21C29a	5600	2/24	144	54.7	63.8	50.9
Grand Meadow	21C25	3500	2/24	71	26.8	35.2	23.8
Lone Pine Shelter	21C26	3800	2/25	91	34.6	59.6	35.0
Marble Mountain +	22C05a	3200	2/24	48	21.1	54.2	31.4
Mosquito Meadows	21C19	4100	2/25	95	36.0	52.8	36.6
New Muddy River	22C06	2000	2/24	17	7.1	5.9	10.6
Old Man Pass	21D19	3100	2/24	39	13.9	23.4	17.2
Plains of Abraham +	22C01a	4400	2/24	132	52.8	80.7	58.5
Smith Creek Road	22C04	2100	2/24	40	14.3	19.8	17.2
Spencer Meadow +	21C20a	3400	2/24	48	17.8	37.4	21.5
Surprise Lakes	21C13A	4250	2/24	119	47.8	64.0	44.2
Table Mountain +	21C24a	4200	2/24	130	50.7	63.8	41.7
Timbered Peak +	21D18a	3000	2/24	28	10.6	25.9	16.0

COWLITZ RIVER

Cayuse Pass	21C06	5300	2/24	212	83.1	99.5	70.4
Mosquito Meadows	21C19	4100	2/25	95	36.0	52.8	36.6
Ohanapecosh	21C32	2200	2/24	50	18.8	18.9	15.8
Packwood Lake	21C31	2870	2/24	39	14.9	19.2	12.7
Pigtail Peak	21C33	5900	2/25	157	60.7	69.8	57.2
Plains of Abraham +	22C01a	4400	2/24	132	52.8	80.7	58.5
Potato Hill	21C14	4500	2/25	85	32.4	43.1	28.8
White Pass (E. Side)	21C28	4500	2/14	78	24.9	27.7	20.8
			2/27	77	27.3	35.9	22.0
White Pass (L. Lake)	21C27	4500	2/25	85	32.9	35.9	26.1
Willame Creek	21C30	3250	2/24	79	28.7	43.6	26.9

PUGET SOUND DRAINAGENISQUALLY RIVER

Ghost Forest	21C04	4550	2/24	121	49.8	58.5	39.0
Longmire	21C03	2760	2/24	38	15.5	19.7	9.0
New Paradise Park	21C35	5500	2/24	187	80.0	87.2	61.8
Stem Glade	21C01	5050	2/24	182	72.0	80.7	60.5

# Average based on 1958-72 average

+ Snow water equivalent estimated from aerial stadia observation

## SNOW DATA TO MARCH 1, 1975 - APPENDIX 8

SNOW			THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Number	Elevation				Last Year	Average #

WHITE RIVER

Cayuse Pass	21C06	5300	2/24	212	83.1	99.5	70.4
Corral Pass	21B13	6000	2/21	145	48.5	52.0	34.3
Morse Lake	21C17	5400	2/27	157	71.0	-	47.7

GREEN RIVER

Airstrip	21B24	1800	2/25	34	14.0	2.0	4.4
Charley Creek	21B25	1200	2/25	10	3.2	0.0	1.2
Cougar Mountain SP	21B42SP	3200	2/24	67	28.2	31.0	-
Grass Mtn. No. 2	21B27	2900	2/25	52	20.2	34.7	19.4
Grass Mtn. No. 3	21B28	2100	2/25	33	12.3	5.8	5.7
Lester Creek	21B29	3100	2/25	85	30.2	35.8	21.3
Lynn Lake	21B50	4000	2/25	63	26.7	-	-
Sawmill Ridge	21B31	4700	2/26	111	41.8	52.4	34.1
Snowshoe Butte SP	21B43SP	5000	2/21	177	67.8	88.8	-
Stampede Pass SP	21B10	3860	2/14	-	55.4	60.0	34.2
			3/1	-	61.2	-	36.2
Twin Camp	21B30	4100	2/25	88	30.8	38.0	21.6

CEDAR RIVER

City Cabin	21B03	2390	2/25	62	24.1	29.0	13.5
Mt. Gardner	21B21	3300	2/25	57	23.1	31.8	15.6
Mt. Lindsay	21B16	2500	2/28	46	17.7	22.6	12.8
Mt. Washington New	21B52	3000	2/28	32	14.9	16.4	-
Rex River	21B17	2400	2/28	56	22.8	28.6	8.9
S. F. Cedar	21B06	3000	2/25	78	32.6	32.6	17.3
Tinkham Creek	21B20	3400	2/25	83	34.3	41.8	20.0

SNOQUALMIE RIVER

Alpine Meadow	21B48	3500	2/27	101	42.9	60.5	-
Lake Elizabeth	21B19	2900	2/26	95	36.6	65.7	36.4
Olallie Meadows	21B02	3625	2/21	142	52.6	81.8	40.6
S. F. Tolt	21B18	1900	2/27	14	5.5	2.4	2.7

SKYKOMISH RIVER

Lake Elizabeth	21B19	2900	2/26	95	36.6	65.7	36.4
Stevens Pass	21B01	4070	2/14	149	54.6	63.7	42.5
			2/27	147	60.4	73.5	45.7
Stevens Pass Sand Shed	21B45	3700	2/14	111	37.5	52.3	-
			2/27	104	39.8	57.0	-

# Average based on 1958-72 average

## SNOW DATA TO MARCH 1, 1975 - APPENDIX 9

## SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average <sup>#</sup> / <sub>F</sub>

SKAGIT RIVER

Beaver Creek Trail	21A04	2200	2/25	57	20.4	22.0	13.0
Beaver Pass	21A01	3680	2/25	87	30.2	45.5	28.3
Brown Top	21A28a	6000	2/25	162	59.0	90.6	-
Cloudy Pass	20A22a	6500	2/26	128	44.8	-	37.4
Devils Park	20A04	5900	2/24	129	47.9	61.5	39.4
Freezeout Cr. Trail	20A01	3500	2/25	49	13.7	21.7	11.8
Freezeout Meadows New	20A38	5000	2/25	108	37.8	73.3	25.7
Granite Creek	21A29	3500	2/24	67	21.0	24.8	-
Harts Pass	20A05A	6500	2/24	130	46.1	64.4	38.8
Klesilkwa	35B-Can	3700	3/1	Not Measured		20.7	13.0*
Lyman Lake +	20A23A	5900	3/1	Not Measured		-	52.5
Meadow Cabins	20A08	1900	2/24	33	10.6	6.0	6.8
New Hozomeen Lake	21A30	2800	2/25	50	15.7	20.2	-
New Tashme	26A-Can	2500	3/1	46	17.8	15.8	11.2*
Quartette Lake	34-Can	4000	2/25	41	10.1	17.3	-
Rainy Pass	20A09	4780	2/24	123	42.6	51.4	36.0
Thunder Basin	20A07	4200	2/24	102	36.2	30.7	19.8

BAKER RIVER

Baker Pass +	21A27a	4900	2/27	190	76.0	109.0	-
Dock Butte +	21A11A	3800	2/24	169	68.0	94.0	61.3
Easy Pass +	21A07A	5200	2/24	170	68.0	100.0	72.0
Jasper Pass +	21A06A	5400	2/24	216	86.0	111.0	82.8
Marten Lake +	21A09A	3600	2/24	193	77.0	100.0	67.6
Mount Blum +	21A18a	5800	2/27	156	62.0	75.0	58.2
Panorama New	21A26	4300	2/13	166	61.0	101.3	-
			2/27	157	68.5	109.9	-
Rocky Creek +	21A12A	2100	2/24	80	32.0	49.0	25.4
Schreibers Meadow +	21A10A	3400	2/24	130	52.0	82.0	53.8
S. F. Thunder Creek +	21A14A	2200	2/24	36	14.0	18.0	8.1
Watson Lakes +	21A08A	4500	2/24	160	64.0	98.0	57.6

NOOKSACK RIVER

Bald Mountain +	21A19a	4400	2/25	153	61.2	69.5	42.9
Canyon +	21A20a	5100	2/25	167	66.8	84.0	48.3
Glacier Creek	21A23	3700	2/25	67	25.5	36.8	21.6
Panorama New	21A26	4300	2/13	166	61.0	101.3	-
			2/27	157	68.5	109.9	-
Twin Lakes +	21A21a	5200	2/25	212	84.8	92.3	62.3

# Average based on 1958-72 average

\* Average for years of record

+ Snow water equivalent estimated from aerial stadia observation



## SNOW DATA TO MARCH 1, 1975 - APPENDIX 10

## SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Number	Elevation				Last Year	Average $\frac{1}{2}$

O L Y M P I C   P E N I N S U L AMORSE CREEK

Cox Valley	23B14	4500	2/24	99	35.0	54.4	-
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ELWIA RIVER

Hurricane	23B03	4500	2/24	65	18.5	30.2	20.0
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SKOKOMISH RIVER

Black & White	23B07	4200	2/25	100	35.5	55.2	33.5
Black & White Lakes	23B06	4700	2/25	125	54.0	78.0	51.2
Four Streams	23B10	3000	2/25	73	27.8	53.4	27.0
Home Sweet Home	23B05	5200	2/25	160	63.7	88.0	64.5

# Average based on 1958-72 average

# Agencies Assisting with Snow Surveys

## GOVERNMENT AGENCIES

### Canada:

Department of Lands, Forests and Water Resources,  
Water Resources Service, British Columbia

### States:

Washington State Department of Ecology  
Washington State Department of Natural Resources

### Federal:

Department of the Army  
Corps of Engineers  
U. S. Department of Agriculture  
Forest Service  
U. S. Department of Commerce  
NOAA, National Weather Service  
U. S. Department of the Interior  
Bonneville Power Administration  
Bureau of Reclamation  
Geological Survey  
National Park Service

## PUBLIC AND PRIVATE UTILITIES

Chelan County P.U.D.  
Pacific Power and Light Company  
Puget Sound Power and Light Company  
Washington Water Power Company

## OTHER PUBLIC AGENCIES

Okanogan Irrigation District  
Wenatchee Heights Irrigation District

## MUNICIPALITIES

City of Tacoma  
City of Seattle

*Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.*

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